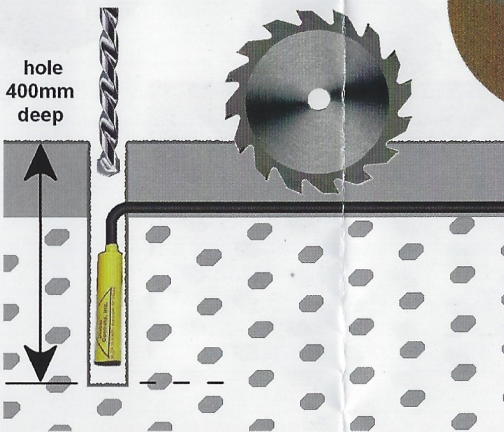
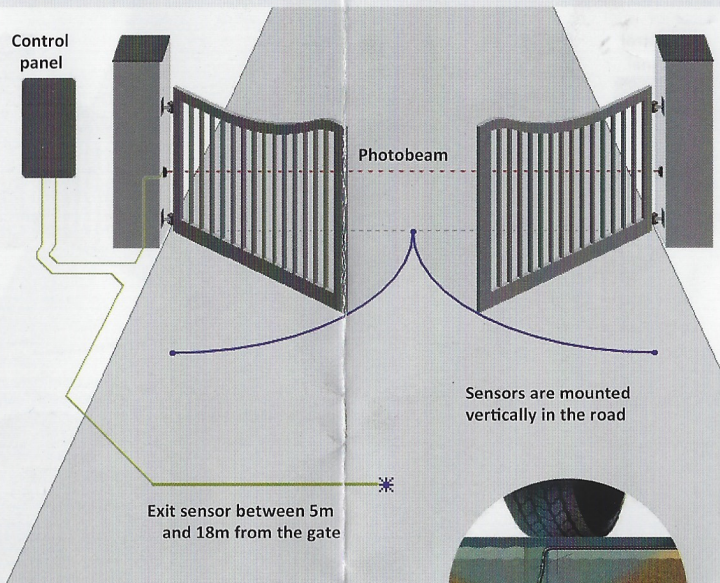


Installation



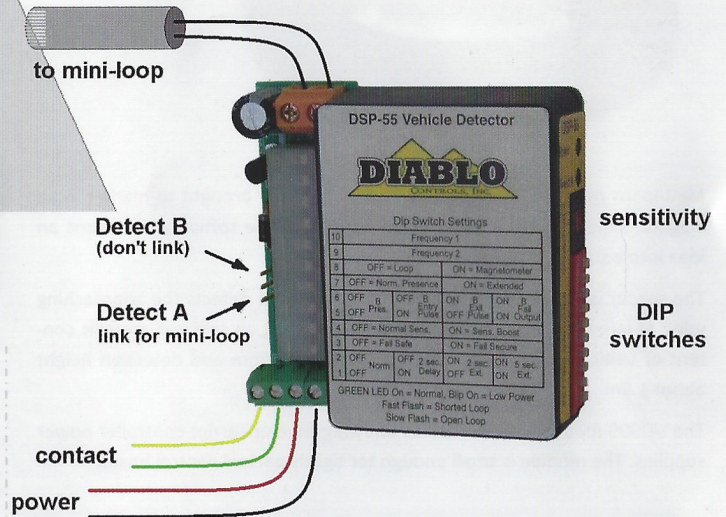
DIP switch settings

- 1&2 output A timing. Set these two OFF.
- 3 sets fail safe or fail secure. Set 3 to ON (fail secure).
- 4 is sensitivity boost. Set 4 to OFF to disable.
- 5&6 set output B, which is not used in mini-loop mode.
- 7 extends presence holding (not used with mini-loop)
- 8 must be set ON for use with a mini-loop.
- 9&10 frequency. Use different settings for each loops



VD955i specification

Power	12-25Vac 12-30Vdc
I quiescant	$I_{max} = 33mA @ 14V$
Op. Cond'ns	-35° C to 74° C
Module	24 x 61 x 63mm (inc conn)
Sensor 909s	120 x 28mm Ø 2-5 Ω
Relay	Solid state isolated 100mA
Sensitivity	2m ² /s (approx 1m)



Tuning and adjustment

DIP switch 8 must be 'ON' and the jumper is on the lower pin position for mini-loop operation. DIP switch 3 should also be 'ON' but all the others 'OFF'. A rotary switch gives 10 sensitivity settings that be changed at any time.

Clear the area of all steel objects from before powering up. The detector will null whatever is left. 'Detect A' red LED pulses once as a vehicle is detected.

Trouble shooting

With DIP3 'ON' (secure mode) the gate will remain secure (closed) if there is a mini-loop fault. With DIP3 'OFF', the gate will open if there is a fault.

Green LED is normally on. If the mini-loop is disconnected the green LED will flash at 2Hz. If the mini-loop is short circuit, green LED will flash at 10Hz. The mini-loop resistance can be checked. Normal is 2-5 Ω.